

ABSTRAK

Nabilla Zoratoshi, I0312043. PERBAIKAN FASILITAS KERJA DI STASIUN PENGECAPAN BATIK MERAK MANIS. Skripsi. Surakarta: Jurusan Teknik Industri, Fakultas Teknik, Universitas Sebelas Maret, Oktober 2016.

Produktivitas kerja merupakan salah satu kunci dalam keberlangsungan usaha di stasiun pengecapan Batik Merak Manis Laweyan. Dari penerapan *ergonomic checkpoints* didapatkan hasil yang divalidasi melalui *Focus Group Discussion* dimana didapatkan masalah pada bagian perkakas tangan dan keamanan alat dengan jumlah usulan terbanyak. Penelitian ini bertujuan untuk memperbaiki area kerja dengan merancang fasilitas kerja yang ergonomis dimana. Penyelesaian masalah pada penelitian ini menggunakan metode rasional dengan menerapkan tujuh tahapan; *clarifying objectives* (penjelasan tujuan), *establishing function* (penetapan fungsi), *setting requirements*, *determining characteristics generating alternatives*, *evaluating alternatives*, dan *improving details*. Hasil dari penelitian ini adalah berupa perbaikan fasilitas kerja beserta analisis uji rancangan yang diterapkan pada pekerja stasiun pengecapan dimana untuk fasilitas kerja stasiun pengecapan yang dihasilkan berupa meja kerja dan pelindung alat cap. Rancangan fasilitas kerja yang dihasilkan dapat mengurangi keluhan yang dirasakan pekerja saat melakukan proses kerja serta dapat meningkatkan produktivitas kerja

Kata kunci: batik cap, *ergonomic checkpoints*, produktivitas kerja, metode rasional, perancangan fasilitas kerja
xx + 73 halaman; 31 gambar; 17 tabel; 8 lampiran
Daftar pustaka: 26 (1994-2016)

ABSTRACT

Nabilla Zoratoshi, I0312043. WORK FACILITIES IMPROVEMENT IN BATIK MERAK MANIS STAMPING STATION. Thesis. Surakarta: Department of Industrial Engineering, Engineering Faculty, Sebelas Maret University, in October 2016.

Work productivity in the stamping station in Batik Merak Manis Laweyan is one of the key components to the business continuity. Using ergonomics checkpoints with results validated through a Focus Group Discussion, hand tools and machine safety was identified as the major area for production process improvement. This research aims to improve the production process by designing ergonomic work facilities. From observation, the hand tools and machine safety is primarily associated with the work table, the cooker table for the candle, and the batik stamp. In formulating the improved design, the rational method by Cross was used, specifically the four stages design process; clarifying objectives, establishing function, setting requirements, determining characteristics, generating alternatives, evaluating alternatives, and improving details. The results of this research are work facilities improvement and design testing analysis. This result is applied on stamping station workers, which consist of work table and batik stamp protector. This work facilities improvement could solve workers' problem in doing work process also improving the work productivity.

Keywords: batik stamping, ergonomic checkpoints, work productivity, rational method, work facility design

xx + 73 pages; 31 pictures; 17 tables; 8 attachments

References: 26 (1994-2016)